

	Wednesday, May 16, 2018 Morning Session									
Exhibit Hall B-C-D		Banquet Rooms E-F-G-H-I-J								
		Opening Plenary Session								
Open - breakfast available	7:30 a.m.	Registration open; Exhibit Hall open; Breakfast served in the Exhibit Hall	7:30 a.m.							
	9:00 a.m.	Opening Remarks	9:00 a.m.							
	9:05 a.m.	- Patrick J. Flood, P.E., Director, TDEC - Division of Solid Waste Management	9:05 a.m.							
	9:10 a.m.		9:10 a.m. 9:15 a.m.							
	9:15 a.m.	Welcome to the 47th Annual Environmental Show of the South	9:10 a.m. 9:20 a.m.							
	9:25 a.m.	- Robert J. Martineau, Jr. TBC	9:25 a.m.							
	9:30 a.m.	9:30 a.m.	0.20 cm							
	9:35 a.m.	Keynote Address: EPA Updates - Trey Glenn, Administrator for U.S. EPA Region 4	The 47th Annual Environmental Show of the South features 65 hours of presentations within 18 breakout and 2 plenary sessions. Breaks are							
	9:40 a.m.		coordinated so that attendees may move between sessions as needed. This							
	9:45 a.m. 9:50 a.m. 9:55 a.m.		draft schedule is provided so attendees may plan their time accordingly.  9.45 a.m.							
			Visit us online at <u>tn.gov/environment/esos</u> for more information or to							
			register.							
	10:00 a.m.		If you have any questions, please email <u>rachel.s.goulet@tn.gov</u> or call 615-							
	10:10 a.m.		532-0788 .							
	10:15 a.m.		10:15 a.m							
	10:20 a.m.		10:20 a.m							
	10:25 a.m.		10:25 a.m							
	10:30 a.m.	Securing the Next Generation of Environmental Leaders	10:30 a.m							
	10:35 a.m.	- Dania Rodriguez, Executive Director, ASTSWMO	10:35 a.m							
	10:40 a.m.	Recognition of Local Government Diversion Successes	10:40 a.m							
	10:45 a.m.		10:45 a.m 10:50 a.m							
	10:50 a.m. 10:55 a.m. 11:00 a.m.		10.55 a.m							
			11:00 a.m							
	11:05 a.m.	Special Presentation of the Governor's Environmental Stewardship Award,	11:05 a.m							
	11:10 a.m.	Materials Management Category	11:10 a.m							
	11:15 a.m.	Marriag Apparatus	11:15 a.m							
	11:20 a.m.	Morning Announcements - Patrick J. Flood, P.E.	11:20 a.m							
	11:25 a.m.		11:25 a.m							
Exhibit hall open	11:30 a.m.		Lunch served in Banquet Rooms 11:30 to 1 pm							

				Wednesda	y, May 16, 2018 Afternoon	Session				
		Room 9-10	Room 11	Room 12	Room 13	Room 14	Room 15	Room 16-17	Room 18-19	
		Materials Management	Toxic Substances	Air Quality	Emerging Contaminants	Underground Storage Tanks	Solid Waste	Water	Environmental Law	
Coffee Break	1:00 p.m. 1:05 p.m.	Moderator opens the session	Moderator opens the session	Moderator Brooke Barrett opens the session	Moderator Jennifer McClellan opens the session	Moderator opens the session	Moderator Harry McCann opens the session	Moderator opens the session	Moderator Jim Wright opens the session	1:00 p.m. 1:05 p.m.
	1:10 p.m. 1:15 p.m. 1:20 p.m.	Profit/Loss Tracking for Small Recyclers - Doug Giles, Marshall County Solid Waste	New TSCA Active/Inactive Chemical Lists: Are Your Chemicals Banned? - Ethan R. Ware, Williams Mullen	Presentation Title TBD - Bob Colby, Director, Chattanooga-Hamilton County Air Pollution Control Bureau	Emerging Contaminants: Poly- & Perfluoroalkyl Substances (PFAS) - Kevin Long, Ramboll	Division of Underground Storage Tanks Regulatory Changes Update -Rhonda Key, TDEC - Division of Underground Storage Tanks	Landfill Stability Part 2: Visual Indicators and Corrective Measures - Jeffrey J. Breedlove, Promus Engineering, LLC	Impacts of Invasive Aquatic Plants on Lake Ecosystems - Timothy Joseph, Ph.D, Watts Bar Ecology and Fishery Council	Ethics Part I - Speaker TBC	1:10 p.m. 1:15 p.m. 1:20 p.m.
	1:30 p.m. 1:35 p.m. 1:40 p.m.	Cost Benefit Analysis Tool - Marty Seaman, US EPA	Lead Poisoning: All in the Family - Bonnie L. Hinds, University of Tennessee Extension/TN Childhood Lead Poisoning Prevention Program	Presentation Title TBD	Keeping Receiving Waters Safe:	Managing Rebound by Combining Persulfate, In Situ Ferrate Generation and Enhanced Bioremediation for Safer, More Effective Remedial Actions - Will Moody, Provectus		Navigating the New Jersey and		1:30 p.m. 1:35 p.m. 1:40 p.m. 1:45 p.m.
	1:50 p.m. 1:55 p.m. 2:00 p.m. 2:05 p.m. 2:10 p.m.	Cost Benefiting County Recycling Programs - Kim Raia, University of Tennessee County Technical Assistance Service	The Environmental Injustice of Lead Poisoning in Shelby County - Elizabeth Shockley, Shelby County Health Department	- Beverly Bannister, Director, EPA Region 4 Air, Pesticides, and Toxics Management Division	Removing PFCs - Janet Egli, PE, Ramboll	Restoration & Reuse of Underground Storage Tanks Properties - Geina Skinner-TDEC-Division of Underground Storage Tanks	Challenges of Early Closure of Landfills - Brian Wolf, P.E., Civil & Environmental Consultants, Inc Wm. Christopher Murray P.E., P.L.S., P.P.	Washington State Stormwater  Programs as Models for Approving  Manufactured Treatment Devices  - Mark Miller, AquaShield, Inc.		1:50 p.m. 1:55 p.m. 2:00 p.m. 2:05 p.m. 2:10 p.m.
	2:15 p.m. 2:20 p.m. 2:25 p.m.	Financial Management ends	_		Refreshments serve	d in the Exhibit Hall	Civil & Environmental Consultants, Inc.			2:15 p.m. 2:20 p.m. 2:25 p.m.
Oonee Break	3:00 p.m.	Solid Waste Planning	Generator Must-Knows for Shipping	Air Quality Health Benefits in	North Carolina DEQ Update on PFOS		Win - Win by Reuse of the	Evaluation of Municipal Sewerage	Ethics Part II: Ethics in Litigation and	3:00 p.m.
Exhibit Hall Open	3:05 p.m. 3:10 p.m. 3:15 p.m. 3:20 p.m.	Davidson County Long-Term Zero Waste Master Plan - Kelly Tipler, Metro Nashville Public Works	Hazardous Waste - Scott C. Dunsmore, CET, Lion Technology Inc.  Comprehensive Housing	Tennessee - Michelle Oakes, Ph.D.	/ PFOA / GenX - Julie S. Woosley, NC Dept. of Environmental Quality	Characterization (HRSC) - Edward J. Gilbert, CPG, US EPA Office of Superfund Remediation	Customer's Special Waste - Steve Keylor, Waste Connections' Meadowbranch Landfill	Systems in Tennessee - Robert G. O'Dette, Division of Water Resources - George Garden, Division of Water Resources	Appeals - Bill Koch	3:05 p.m. 3:10 p.m. 3:15 p.m. 3:20 p.m.
	3:30 p.m. 9	Using Technology for Waste Diversion & Community Outreach - Michelle Wiseman, City of Atlanta Mayor's	Interventions: A New Way Forward for Healthy & Efficient Communities - Catherine Lee, Green & Healthy Homes				Tier 2 Testing for MSW Landfill Emission Guidelines and NSPS - Matt Lamb, Smith Gardner, Inc.			3:30 p.m. 3:35 p.m.
	3:40 p.m	Office of Resilience	Initiative	Tennessee and the Volkswagen Diesel Settlement - Molly Cripps, Assistant Commissioner, TDEC Office of Energy Programs	Per- and Polyfluoroalkyl Substances (PFAS) in the Environment - Aaryn Jones, EPA Region 4	UST Case Study Using Innovative Technologies -William Benni-Improved Analysis Through Modeling		Regulatory Progress (or lack thereof) with respect to Beneficial Reuse of Reclaimed Wastewater in TN - George Garden, TDEC-Division of Water		3:40 p.m. 3:45 p.m. 3:50 p.m.
	3:55 p.m. 4:00 p.m. 4:05 p.m. 4:10 p.m. 4:15 p.m.	Louisville's Solid Waste Study Efforts, Future is Now - Pete Flood, Louisville Metro Department of Public Works	Mobile Inspection and Permitting				DSWM Elevates Quality and Consistency with Training - Patrick Mulligan, P.G., TDEC - Division of Solid Waste Management	Resources		3:55 p.m. 4:00 p.m. 4:05 p.m. 4:10 p.m.
	4:20 p.m.	Moderator closes the session	Moderator closes the session	Moderator closes the session	Moderator closes the session	Moderator closes the session	Moderator closes the session	Moderator closes the session	Moderator closes the session	4:20 p.m. 4:25 p.m
	4.20 p.iii.									T.20 D.III.

				Thu <u>rsd</u> a	y, May 17, 2018 Morning Ses	sion				
		Room 9-10	Room 11	Room 12	Room 13	Room 14	Room 15	Room 16-17	Room 18-19	
		Materials Management	Remediation	Air Quality	Hazardous Waste		Solid Waste	Water	Environmental Law	
Open - breakfast available	7:30 a.m.			<u> </u>	Exhibit Hall open; Breakfast s	served in the Exhibit Hall		<u>'</u>	<u> </u>	7:30 a.m.
Exhibit Hall Open	8:00 a.m. 8:05 a.m.	Moderator opens the session	Moderator Alison Hensley opens the session	Moderator Amelia Poe opens the session	Moderator Ben Almassi opens the session		Moderator Patrick Mulligan, P.G. opens the session	Moderator opens the session	Moderator Joe Sanders opens the session	8:00 a.m. 8:05 a.m.
	8:10 a.m. 8:15 a.m. 8:20 a.m. 8:25 a.m.	Taking On Large Organics Collection Projects - Liza Milagro, Hartsfield-Jackson Airport	Horizontal Wells for Remediation of Chlorinated Solvent Sites - Kyle J. Carlton, PG, Directional Technologies, Inc.	Air Quality Permit Fees - James P. Johnston, TDEC - Division of Air Pollution Control	The Federal Court's Impact on Tennessee's New Definition of Solid Waste - Wayne Gregory, TDEC - Office of General Counsel		Landfill Fires - Cause, Prevention, and Mitigation - Robert C. Bachus, Ph.D., P.E., D.GE, Geosyntec Consultants	Fifty Year Plume Response to Successive Remedial Measures Employed with an Evolving Site Conceptual Model - David Heidlauf, Ramboll	OSHA Safety & Health Critical New Regulatory and Legislative Developments, Updates and Hot Topics - Michael C. Mallen, Miller & Martin	8:10 a.m. 8:15 a.m. 8:20 a.m. 8:25 a.m.
	8:35 a.m. 8:40 a.m. 8:45 a.m.	Surplus Food Donations – "An Alternative to Throwing Away Food" - Jim Larson, Food Donation Connection	Using EPA Brownfield Grants as a Tool for Community Revitalization - Amanda M. Herrit, M.S., Terracon Consultants, Inc.							8:35 a.m. 8:40 a.m. 8:45 a.m.
	8:50 a.m. 8:55 a.m.	Technica		U.S. EPA Air Quality Update - Scott Davis, U.S. EPA Region 4	Federal and State Hazardous Waste, Universal Waste and Used Oil Regulation & Policy Update			Potable Water Loss in Tennessee - Angela Jones, PE, TDEC - Division of Water Resources	The Ole Pay and Chase – How UST Has Reduced Their Risk - Melinda Weir, TDEC - Division of	8:50 a.m. 8:55 a.m.
	9:00 a.m. 9:05 a.m.	Food Waste Management and Composting on a College Campus - Jay Price, MS, MBA, CCOM™, University of			- Jacqueline Okoreeh-Baah, TDEC - Division of Solid Waste Management - Alan Newman, EPA		Landfill Leachate Collection Systems a Review of the Basics: Design, Layout, Construction, Operation, and	PAA for Wastewater Disinfection	Underground Storage Tanks	9:00 a.m. 9:05 a.m.
	9:10 a.m. 9:15 a.m. 9:20 a.m.	Tennessee, Knoxville	Technologies, Inc. (IET)		- Larry Lamberth, EPA		Maintenance - Andrew J. Querio, P.E., CPESC, EIL (Environmental Information Logistics) - Chirag Nanavati, EIL (Environmental	- Ariel Wessel-Fuss, EIT, TDEC - Division of Water Resources		9:10 a.m. 9:15 a.m. 9:20 a.m.
	9:25 a.m.	Organics ends					Information Logistics)			9:25 a.m.
Coffee Break	9:30 a.m.				Networking Break—Refreshment	ts served in the Exhibit Hall				9:30 a.m.
Exhibit Hall Open	10:00 a.m. 10:05 a.m. 10:10 a.m.	Grants Session  Audit Proofing Grant Contracts - Lawanda M. Johnson, TDEC	Reasons and Technology for Controlling Excessive Methanogenesis during Remedial	Georgia Air Quality Update - Jim Boylan, Program Manager, Georgia Environmental Protection Division	Understanding EPA's Generator Improvements Rule - Scott C. Dunsmore, CET, Lion Technology Inc.		Landfill Leachate Continued	UAS-Based LiDAR Technology to Support Water Quality and Environmental Site Management - Andrew Carroll, Skytec LLC	The Complications of Amending the Definition of Solid Waste - Wayne Gregory, TDEC - Office of General Counsel	10:00 a.m. 10:05 a.m. 10:10 a.m.
	10:15 a.m. 10:20 a.m. 10:25 a.m.		Actions: Case Studies and Remedial Alternatives - Jim Mueller, Provectus Environmental Products, Inc				Odor Control at Class I Landfills - Jeffrey Michael Fantell, PE, Joyce Engineering, Inc., a LaBella Company - Jason Repsher, P.G., TDEC - Division of	- Andrew Carron, Skylet LLC		10:15 a.m. 10:20 a.m. 10:25 a.m.
	10:30 a.m. 10:35 a.m. 10:40 a.m.	North Carolina DEQ Recycling and Materials Management Grant Programs - Wendy Worley, NC Dept. of Environmental	Controlled Release Environmental Reactants - A More Efficient Approach to In Situ Remediation - Dr. Lindsay Swearingen, Specialty Earth	Tennessee Air Quality Update			Solid Waste Management	Bowling Green, Kentucky - An	Navigating the Local Approval Process for Permitting of Solid Waste	10:30 a.m. 10:35 a.m. 10:40 a.m.
	10:45 a.m.	Sep Quality Quality	Sciences, LLC	- Paul LaRock, Tennessee Division of Air Pollution Control	DSWM Institutes Training and Outreach for Improved Performance - Patrick Mulligan, TDEC DSWM			Example of the Challenges of Developing on Karst - Timothy Eugene Slattery, MS, TPM	Landfills - Bill Penny, Burr & Forman - E. Joseph Sanders, TDEC - Office of General Counsel	10:45 a.m.
	10:55 a.m. 11:00 a.m. 11:05 a.m. 11:10 a.m. 11:10 a.m.	EPA Region 4 Grant Program - Delores Rodgers-Smith, U.S. EPA Region 4	Proposed Changes to Rules for Decontamination of Meth Labs - Chris Andel, PG, TDEC - Division of Remediation				Solid Waste Regulations Updates - Nickolaus Lytle, TDEC - Division of Solid Waste Management			10:55 a.m. 11:00 a.m. 11:05 a.m. 11:10 a.m.
	11:20 a.m.	Moderator closes the session	Moderator closes the session	Moderator closes the session	Moderator closes the session		Moderator closes the session	Moderator closes the session	Moderator closes the session	11:20 a.m. 11:25 a.m.
Exhibit Hall Open	11:30 a.m.				Lunch served in Banquet	Rooms 11:30 to 1 pm				11:30 a.m.

				Thursday	, May 17, 2018 Afternoon S	ession				
		Room 9-10	Room 11	Room 12	Room 13	Room 14	Room 15	Room 16-17	Room 18-19	
		Materials Management	Vapor Intrusion	Air Quality	DOT Hazardous Waste Refresher	Coal Combustion Residuals (CCR)	SWANA	Water	Environmental Law	
	1:00 p.m. 1:05 p.m.	Moderator opens the session	Moderator Charles Jobe opens the session	Moderator Amy Katcher opens the session	Moderator Robert Nakamoto opens the session	Moderator Rob Burnette opens the session	Moderator Mary Anderson opens the session	Moderator opens the session	Moderator Karen Simo opens the session	1:00 p.m. 1:05 p.m.
Exhibit Hall Open	1:10 p.m. 1:15 p.m. 1:20 p.m. 1:25 p.m.	Construction & Demolition Recycling in the US: Current State of Practice - Timothy G. Townsend, University of Florida	Locating and Assessing the Age of VOC Sources Beneath Large Buildings - Craig A. Cox, CPG, Cox-Colvin & Associates, Inc.	Updates on NSPS XXX/Cf Implementation and Compliance - Julie Hall, Cornerstone Environmental	DOT Hazardous Materials Refresher & Update - Linda Lawhorn, CHMM, CDGP, Strata-G Staffing Services	Residuals for Closure of Coal Ash	Going Green and Saving Green: The Environmental and Financial Benefits of Exposed Geosynthetics - Ryan Kamp, Chesapeake Containment		Tweets in the Air 2: The Sequel (Or Why We'll NOT Always Have Paris) - Steven R. Stout, TDEC - Office of General Counsel - Khurshid Mehta, TVA Office of General Counsel	1:10 p.m. 1:15 p.m. 1:20 p.m. 1:25 p.m.
	1:30 p.m. 1:35 p.m. 1:40 p.m.		Pilot Testing: The Key To Vapor Intrusion Mitigation Success - Tony McDonald, A-Z Solutions, Inc.			Beyond Cap-in-Place: CCR On-Site Clean Closure Using Macroencapsulation - John P. Swenson, EnCAP-IT - Jeffrey Crate, Waste Resource Services,			Courses	1:30 p.m. 1:35 p.m. 1:40 p.m. 1:45 p.m.
	1:50 p.m. 1:55 p.m. 2:00 p.m.		Vapor Intrusion Mitigation - Engineering Controls for Indoor Air			Lessons Learned with Closure by Removal Projects - Kathryn Nash, Waste Management	Land Application Requirements for Residual with Pathogens and Vectors - Robert G. O'Dette, TDEC - Division of Water Resources - Serena Broska, TDEC Division of Solid	Sustainability in Green Landscaping & Tried and True Plant Choices for Bioswales in TN - Janie J. Becker, Stantec Consulting		1:50 p.m. 1:55 p.m. 2:00 p.m.
	2:10 p.m. 2:15 p.m. 2:15 p.m. 2:20 p.m. 2:25 p.m.		Protection of Large Commercial Structures - Dr. Lindsay Swearingen, Specialty Earth Sciences, LLC			QA / Discussion	Waste Management			2:10 p.m. 2:10 p.m. 2:15 p.m. 2:20 p.m.
Ice Cream Social	2:30 p.m.	_			Ice Cream Social held in the I	Exhibit Hall 2:30 to 3:15 pm			L	2:30 p.m.
Exhibit Hall Closes	3:15 p.m.	Household Hazardous Waste and BOPAE	Natural Source Zone Depletion		DOT Hazardous Materials Refresher			Technical and Cost Comparisons of	Brownfields Progam and Discussion	3:15 p.m.
	3:20 p.m. 3:25 p.m.	Ethanol and Sugar Recycling - Brian W. Potter, Dynamic Recycling	Justin Micah Meredith, TDEC - Division of Remediation	- Donovan Grimwood, Tennessee Small Business Environmental Assistance Program	& Update - Linda Lawhorn, CHMM, CDGP, Strata-G Staffing Services	Expanded BMP's Using Standard Equipment - Troy Duxbury, LSC Environmental Products	Liner Geomembranes - A Case Study - TBA	Candidate Final Cover Systems for CCR Unit Closures - Ming Zhu, Ph.D., PE, Watershed Geosynthetics	of Land Use Restrictions (Tour) - David Higney, Grant Konvalinka & Harrisor P.C Michael C. Mallen, Miller & Martin	3:20 p.m. 3:25 p.m.
	3:35 p.m. 3:40 p.m. 3:45 p.m.	Temporary HHW Contaniners, Convenience to the Citizens				Remedial Technologies to Address CCR Constituents in Groundwater - Richard W. Arnseth, PhD, PG, PMP, Tetra Tech, Inc.			Troy Keith, TDEC Division of Rmediation     Evan Spann, TDEC Division of Remediatio     Karen Stevenson Simo, TDEC Office of General Counsel	3:35 p.m. 3:35 p.m. 3:40 p.m. 3:45 p.m.
	3:55 p.m	88	Vapor Intrusion Mitigation Technologies & Trends for Brownfield Redevelopment - Jordan Kleine, Land Science	EPA Memorandums from Scott Pruitt - Lem Stevens, Stevens Environmental		Tennessee - Robert Wilkinson, P.G., CHMM, TDEC -	Case Study on Use of Passive Soil Gas Sampling Devices to Delineate VOC and TPH Groundwater Impacts - Michael Hirt, P.G., Environmental Information Logistics, LLC	Multi-Site Performance Review of Liquid Activated Carbon for Groundwater Treatment - Chad Northington, PE, REGENESIS		3:55 p.m. 4:00 p.m. 4:05 p.m.
	4:15 p.m. 4:20 p.m. 4:25 p.m.	Lithium Battery Management - Timothy Warren, Call2Recycle, Inc.				0.4 / 5:	- Andrew J. Querio, P.E., CPESC, EIL (Environmental Information Logistics)			4:15 p.m. 4:20 p.m. 4:25 p.m.
	4:35 p.m. 4:35 p.m.	Moderator closes the session	Moderator closes the session	Moderator closes the session	Moderator closes the session	Moderator closes the session	Moderator closes the session	Moderator closes the session		4:35 p.m. 4:40 p.m.
	4:45 p.m.	Free time								
	0.00			Naturalina Dasantian ta h	e Held at the Tennessee Aquarium -					

